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Feb 2, 1996

DERWENT-ACC-NO: 1996-118581

DERWENT-WEEK: 199733

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TITLE: Spinal implant for securing adjacent pair of vertebrae - comprises U-shaped titanium@ body, with elastic central portion and offset pairs of projections engaging adjacent spinal apophyses

INVENTOR: SAMANI, J

## PATENT-ASSIGNEE:

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CODE

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PRIORITY-DATA: 1994FR-0009493 (July 26, 1994), 1996US-0635735 (April 22, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2722980 A1	February 2, 1996		014	A61F002/44
<u>US 5645599 A</u>	July 8, 1997		006	A61F002/44
JP 08052166 A	February 27, 1996		005	A61F002/44

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
FR 2722980A1	July 26, 1994	1994FR-0009493	
US 5645599A	April 22, 1996	1996US-0635735	
JP 08052166A	July 25, 1995	1995JP-0189433	

INT-CL (IPC): A61 B 17/58; A61 F 2/44

ABSTRACTED-PUB-NO: FR 2722980A

## BASIC-ABSTRACT:

The implant has a U-shaped titanium body (5) formed with an elastic flexibility in its curved central portion (5a). A pair of projections (6) extend from the external surfaces of each of the branches of the U-shape, each pair defining a space (7) to receive the spinal apophyge of a single vertebra (3). The projections include groups of holes (8) through which bone screws (9) may be passed to secure the implant against each of an adjacent pair of vertebrae.

Each pair of projections is offset relative to the other pair, such that a series of implants may be attached to successive pairs of vertebrae without their projections interfering with each other on a given apophyge.

ADVANTAGE - Simple construction and implantation, supporting and reinforcing spine while retaining degree of flexibility.

ABSTRACTED-PUB-NO:

US 5645599A

EQUIVALENT-ABSTRACTS:

The interspinal vertebral implant comprises:

a U-shaped body having a central portion and two branches, where at least the central portion is elastically flexible;

two pairs of brackets, where each pair of brackets projects from an outer face of one of the two branches, and where each pair of brackets comprises a stirrup for receiving a spinous process of a vertebrae; and

- means where the brackets includes for attaching the brackets to spinous processes of the vertebrae.

CHOSEN-DRAWING: Dwg.1,2/5 Dwg.2/5

TITLE-TERMS: SPINE IMPLANT SECURE ADJACENT PAIR VERTEBRA COMPRISE U=SHAPED TITANIUM@  
BODY ELASTIC CENTRAL PORTION OFFSET PAIR PROJECT ENGAGE ADJACENT SPINE

DERWENT-CLASS: P32

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1996-099162